

BASE STATION FOR CONTROLLING USE OF REDUCED SLOT CYCLE  
MODE OF OPERATION IN A WIRELESS NETWORK

ABSTRACT OF THE DISCLOSURE

For use in a wireless network, a base station that controls use of the reduced slot cycle mode by mobile stations communicating with the base station. The base station comprises: i) a traffic monitor for monitoring message traffic levels handled by the base station; and ii) a reduced slot cycle controller for receiving traffic statistics information from the traffic monitor and determining whether use of the reduced slot cycle mode by the mobile stations communicating with the base station interferes with scheduling of paging message transmissions by the base station. The reduced slot cycle controller, in response to a determination that use of the reduced slot cycle mode by the mobile stations does interfere with the scheduling of paging message transmissions by the base station, causes the base station to transmit a first control message indicating that the reduced slot cycle mode is disabled in the base station.